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# TESTIMONIALS

IN FAVOUR OF

## MATTHEW HAY, M.D.,

DEMONSTRATOR OF PRACTICAL MATERIA MEDICA AND ASSISTANT

TO THE PROFESSOR OF MATERIA MEDICA IN THE

UNIVERSITY OF EDINBURGH ;

### CANDIDATE

FOR THE

*Chair of Medical Logic and Medical Jurisprudence*

IN THE

UNIVERSITY OF ABERDEEN.

B. xiv. May

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DEMONSTRATOR OF PRACTICAL MATERIA MEDICA

AND ASSISTANT TO THE PROFESSOR OF MATERIA MEDICA IN THE

UNIVERSITY OF EDINBURGH ;

PHYSICIAN TO THE NEW TOWN DISPENSARY, EDINBURGH ;

VICE-PRESIDENT OF THE UNIVERSITY CHEMICAL SOCIETY ;

FOREIGN FELLOW OF THE SOCIETY OF HYGIENE OF FRANCE ;

ETC. ;

## CANDIDATE

FOR THE

### *Chair of Medical Logic and Medical Jurisprudence*

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### UNIVERSITY OF ABERDEEN.



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## CHRONOLOGICAL SYNOPSIS OF ACADEMIC STUDY AND MEDICAL TRAINING.

- 1871-73.—Attendance in the Faculty of Arts of the University of Glasgow.
- 1873-74.—Attendance in the Faculty of Medicine of the University of Glasgow.
- 1874-78.—Attendance in the Faculties of Arts and Medicine of the University of Edinburgh.
- 1878.—(a) Graduation as Bachelor of Medicine and Master in Surgery.
- (b) Appointment as Demonstrator of Practical Materia Medica and Assistant to the Professor of Materia Medica in the University of Edinburgh, involving, besides other work, lecturing to large classes of Students.
1879. —Appointment for one summer as Resident Physician in the Medical Wards of the Royal Infirmary.
- 1879-80.—(a) Chemical, Pharmacological, and Toxicological Research in the Laboratory of Professor Schmiedeberg at Strassburg, and attendance on Lectures on Experimental Pharmacology and Toxicology by the Professor.
- (b) Attendance on Lectures on Pharmacology and Toxicology by Dr Erich Harnack, now Professor in Halle.
- (c) Attendance on courses of Physiological and Pathological Chemistry, and of Hygiene, by Professor Hoppe-Seyler.
- (d) Attendance on the Pathological Theatre, under Professor von Recklinghausen.
1880. —Appointment as Physician to the New Town Dispensary, Edinburgh.
1881. —Graduation as Doctor of Medicine of the University of Edinburgh.
- 1880-83.—Duties of Demonstratorship and Assistantship, along with Original Investigations in Chemistry, Physiology, Pharmacology, and Toxicology.

GRADUATION AND POST-GRADUATION HONOURS.

1878.—M.B., and C.M., with FIRST-CLASS HONOURS.

ETTLES PRIZE, awarded to the most distinguished Graduate in Medicine of the year.

1881.—M.D., with GOLD MEDAL.

GOODSIR PRIZE, awarded triennially for the best Essay embodying results of Original Research.

1883.—SANITARY RESEARCH SCHOLARSHIP (open to all British Graduates in Medicine), awarded by the Grocers' Company of London, for the encouragement of Original Research in Sanitary Science.



## LIST OF PUBLISHED WORKS.

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### I. THE PHYSIOLOGICAL ACTION OF SALINE CATHARTICS.

- Part 1. (*Journal of Anatomy and Physiology*), vol. xvi., Jan. 1882,  
pp. 243-282.
- „ 2. „ „ vol. xvi., April 1882,  
pp. 391-440.
- „ 3. „ „ vol. xvi., July 1882,  
pp. 568-604.
- „ 4. „ „ vol. xvii., Oct. 1882,  
pp. 62-78.
- „ 5. „ „ vol. xvii., Jan. 1883,  
pp. 222-243.
- „ 6. „ „ vol. xvii., July 1883.  
pp. 405-441.

(Abstract in the *Transactions of the International Medical Congress*,  
1881, vol. i. p. 501.)

The above Memoir formed a Graduation Thesis, for which a Gold Medal and the Goodsir Memorial Prize were awarded in August 1881.

### II. ON THE ORIGIN AND DISTRIBUTION OF THE CANE-SUGAR FERMENT IN ANIMALS.

Read before the British Medical Association, August 1882.

(Abstract in *British Medical Journal*, September 23, 1882.)

(Will shortly be published *in extenso*.)

### III. ON THE ABSORPTION OF CERTAIN SALTS FROM THE ALIMENTARY CANAL.

Read before the British Medical Association, August 1882.

(*British Medical Journal*, December 16, 1882.)

IV. NITRITE OF SODIUM IN THE TREATMENT OF  
ANGINA PECTORIS.

(*Practitioner*, March 1883.)

V. VEGETABLE ALKALOIDS AND THE METHODS OF  
THEIR SEPARATION.

Read by request before the North British Branch of the Pharma-  
ceutical Society, February 15, 1883.

(*Pharmaceutical Journal*, March 24 and April 7, 1883.)

VI. THE USE OF CONCENTRATED SOLUTIONS OF  
SALINE CATHARTICS IN DROPSY.

(*Lancet*, 21st April 1883.)

VII. THE VALUE OF SOME NITRIC, NITROUS, AND  
NITRO-COMPOUNDS IN ANGINA PECTORIS.

(*Practitioner*, May 1883.)

VIII. A NEW ALKALOID IN *CANNABIS INDICA*.

(*Pharmaceutical Journal*, June 2, 1883.)

IX. CARMEDIK, A CAPE BITTER; ITS CHARACTERS  
AND CHEMISTRY.

(*Edinburgh Medical Journal*, June 1883.)

X. THE CHEMICAL NATURE AND PHYSIOLOGICAL  
ACTION OF NITRO-GLYCERINE.

(*Practitioner*, June 1883.)

XI. ARTICLES AND ABSTRACTS OF RECENT PAPERS  
ON PHYSIOLOGY, PHYSIOLOGICAL CHEMISTRY,  
PHARMACOLOGY, AND TOXICOLOGY.

(*London Medical Record*, 1882 and 1883.)

XII. REVIEWS AND ARTICLES ON PHARMACOLOGICAL  
AND HYGIENIC SUBJECTS.

(*Medical News* [U.S.], 1881, 1882, 1883.)

READY FOR PUBLICATION.

A NEW APPARATUS FOR THE ESTIMATION OF  
THE NITROGEN OF UREA.

Exhibited and described to the University Chemical  
Society, Jan. 1882.

THE TOXICOLOGICAL ACTION OF THE SALTS OF  
LITHIUM.

Will be published in the *Archiv für experimentelle Pathologie  
und Pharmakologie*.

THE TOXICOLOGY OF THE IODIDES, BROMIDES,  
AND CHLORIDES.

A CONTRIBUTION TO THE CHEMISTRY OF NITRO-  
GLYCERINE.

THE ESTIMATION OF SULPHURIC ACID IN THE  
PRESENCE OF ORGANIC MATTER.

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*In course of Preparation.*

TRANSLATION OF ZIEMSEN'S ALLGEMEINE THERAPIE

Bd. II., Th. 2 and 3.



# TESTIMONIALS.





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*From Thomas R. Fraser, M.D., F.R.S., Professor of Materia Medica and Clinical Medicine in the University of Edinburgh.*

UNIVERSITY OF EDINBURGH,  
*June 11, 1883.*

I HAVE great pleasure in expressing my conviction that Dr MATTHEW HAY possesses high qualifications for the Chair of Medical Jurisprudence now vacant in the University of Aberdeen.

His reputation as a student led me to appoint him as my University Assistant, soon after he had graduated with the highest distinction as Bachelor of Medicine and Master in Surgery. He has held this office for nearly five years, and during that time has not only assisted in the preparation of the experimental demonstrations for the lectures on Materia Medica, and co-operated in the teaching of practical classes, but he has also conducted numerous scientific researches, which in many cases have a direct bearing upon Medical Jurisprudence. I am satisfied that he possesses a thorough and wide knowledge of Toxicology, both in its chemical and physiological aspects, as well as a familiarity with the manipulative operations required in its practical applications.

Dr HAY graduated as Doctor of Medicine in 1881. On that occasion he presented a Thesis on Saline Cathartics, in which many chemical and physiological problems of the highest importance were discussed, from experimental data which he had himself elaborated, with so great ability that a Gold Medal and the Goodsir Memorial Prize were awarded to

him. This, and several other of his investigations, indicated so clearly his talent as an original investigator that the Committee of selection for the Research Scholarships, instituted by the Grocers' Company of London, have recently selected him to hold one of these Scholarships.

University duties and application to scientific work have not, however, prevented Dr HAY from pursuing the study of Practical Medicine. He has contributed several papers to the literature of Therapeutics; and as a Physician to one of the City dispensaries, he has retained a close connection with the practice of his profession. A few years ago he performed the duties of Resident Physician in the wards under my care in the Royal Infirmary, and I thereby had the opportunity of satisfying myself that his knowledge of Medicine is wide and accurate, and constitutes, along with his acquaintance with Pathology and Therapeutics, an additional qualification in his favour as a candidate for a Chair of Medical Jurisprudence.

As a candidate for this Chair in the University of Aberdeen, it may justly be stated in Dr HAY's favour, that he possesses an exceptionally wide knowledge of the subjects embraced within the Science and Practice of Medicine, that he is an Original Investigator of proved ability, that he is specially familiar with the Chemical and Physiological departments of Toxicology, and that he is an experienced and popular Teacher.

His personal characteristics are such as to lead me to contemplate with much regret the possibility of his removal from the position in which he has been associated with me for several years.

THOMAS R. FRASER.

*From Douglas Maclagan, M.D., V-P.R.S.E., Regius Professor of  
Medical Jurisprudence in the University of Edinburgh.*

UNIVERSITY OF EDINBURGH,  
7th June 1883.

DR MATTHEW HAY is recognised by all who are connected with the Medical School of Edinburgh as one of the most distinguished graduates who, in recent years, have emanated from this University, and he is regarded as one of those promising men of science who are destined sooner or later to occupy an Academic Chair.

As a student he attracted attention by his assiduous study of his profession in all its branches, by the numerous class honours which he gained, and, when he took his Bachelor's degree in 1878, by the admirable appearances which he had made at all his examinations, which gained for him First-class Honours and the award of the Ettles Prize, which is given to the most distinguished graduate of his year.

Having extended his scientific knowledge by practical laboratory work and original research on the Continent, he took his Doctor's degree in 1881, when he again achieved distinction by gaining a University Gold Medal for his elaborate Thesis on the Action of Saline Cathartics.

Dr HAY'S numerous papers show him to be not only well versed in his own special subjects of Toxicology and Pharmacology, but that he has pushed his original researches into other domains of Medical Science.

Dr HAY has had ample experience in teaching in his capacity of Assistant to my colleague, the Professor of Materia Medica, and personally he has proved very acceptable to the numerous students whom he has taught.

I am of opinion that Dr HAY would form an excellent occupant of the Chair of Medical Jurisprudence now vacant in the University of Aberdeen.

DOUGLAS MACLAGAN.



*From William Rutherford, M.D., F.R.S., Professor of Institutes of Medicine in the University of Edinburgh.*

UNIVERSITY OF EDINBURGH,  
June 13, 1883.

I KNOW no man more fitted to fill a Professorial Chair than Dr MATTHEW HAY. I have watched his progress with much interest for several years, and he has even surpassed my expectations.

He is a man of great natural ability, originality, and force of character. He was the first student of his year, I would indeed say—the first student of several years. His training in Mathematical, Chemical, and Medical Science has been thorough. As Assistant to Professor T. R. Fraser he has had ample opportunity for the attainment of experience as a teacher and as an investigator. His conspicuous energy, attainments, and fluency of speech, render him highly successful as a teacher. His originality and inexhaustible endurance as an investigator mark him as one of the most distinguished young scientists of Scotland. His research on the “Action of Saline Cathartics” is alone sufficient to prove his title to what I have said. But he is also the author of many other original works of importance.

His already elaborate experience in the practical aspects of Chemistry and Toxicology—far the most difficult part of Medical Jurisprudence—peculiarly fit him for a Chair in that subject. No one can entertain any doubt that the training of a scientific Medical Jurist is in these days impossible, unless he spend some years in laboratory work on chemical and toxicological subjects, as Dr HAY has done.

I believe that the conspicuous success of the Medical Faculties of the Scotch Universities in recent years has been in no small measure due to the more elaborate scientific training of those selected to fill such Chairs as that for which Dr HAY is now an applicant. Feeling persuaded that he would fill it with great credit to himself, and to Aberdeen, I heartily wish him success.

W. RUTHERFORD.



*From David Ferrier, M.D., LL.D., F.R.S., Professor of Forensic  
Medicine in King's College, London.*

16 UPPER BERKELEY STREET,  
PORTMAN SQUARE, W., *June 4, 1883.*

THOUGH I have expressed an opinion as to the merits of another candidate for the Chair of Medical Jurisprudence in the University of Aberdeen, I think it would be unjust to Dr MATTHEW HAY if I did not also comply with his request that I should express my opinion as to his qualifications and his work.

It is from his work alone that I know Dr HAY, but this has led me to form the highest opinion of him. Within a very few years of his graduation, he has published several papers of great value, containing the results of original research on the action of certain drugs and poisons on the system. In these papers Dr HAY has shown that he is master of the methods of precise Pharmacological and Toxicological investigation, and I confidently look for many additions to our knowledge in this department of medical science from one who has begun his career with so great promise.

DAVID FERRIER.

*From Alexander Crum Brown, M.D., Sc.D., F.R.S., Professor  
of Chemistry in the University of Edinburgh.*

*June 8, 1883.*

I HAVE much pleasure in very strongly recommending Dr MATTHEW HAY for the Chair of Medical Jurisprudence in the University of Aberdeen. I have known Dr HAY since he came to Edinburgh in 1873, and am well acquainted with the work, both chemical and toxicological, which he has done.

Dr HAY has a thoroughly practical knowledge both of Chemistry and of Medicine. It is for others to speak as to his medical qualifications, but I have no hesitation in saying that I know no one, who is not a professional chemist, who has the technical familiarity with all the details of chemistry which Dr HAY has. The importance of this will be seen if we consider the large amount of new matter constantly being added by chemistry to the domain of medical jurisprudence. As a comparatively recent instance, I may mention the very remarkable and practically important discoveries as to poisonous alkaloids developed in dead bodies.

Dr HAY has made important contributions to our knowledge as to the chemical character and as to the methods for isolating and recognising physiologically active substances; and has also cleared up our ideas as to the precise way in which some of these substances act on animal organisms. It appears to me most important that a teacher of medical jurisprudence should not only know the facts bearing on his subject, but should also have clear views as to the principles underlying these facts, and it is because I know that Dr HAY is not only familiar with the facts, but has the scientific knowledge and the sound judgment necessary to utilise his knowledge of the facts, that I so confidently recommend him to the Electors.

ALEX. CRUM BROWN,

*From T. Lauder Brunton, M.D., Sc.D., F.R.C.P., F.R.S., Lecturer on Materia Medica, and Assistant-Physician to St Bartholomew's Hospital, London.*

50 WELBECK STREET, CAVENDISH SQUARE, W.,

*June 8, 1883.*

I HAVE had the pleasure of knowing Dr MATTHEW HAY for some years, and of late I have had special opportunities of becoming acquainted with his abilities and acquirements.

I know few men who appear likely to take such a foremost place in those departments of medicine to which he has devoted himself as Dr HAY. The work he has already published is of the highest order, and shows that its author has not only great original power, but has had a most careful training in the methods of modern research.

It is in reference to Toxicology that I am able to speak with the greatest confidence, for this subject has engaged my particular attention for a number of years, and it is in this subject that I am best acquainted with Dr HAY'S qualifications. Of this, which is at once perhaps both the most important and the most difficult branch of Forensic Medicine, Dr HAY is a master, and is qualified in a way that very few men are to deal satisfactorily with cases of poisoning should such arise, and to train the students whom he may have to teach in all the intricacies of toxicological investigations.

Regarding Dr HAY'S qualifications in other branches it is unnecessary for me to speak, as others will testify that Dr HAY'S acquirements in their own departments of study are of the highest order. But Dr HAY is not a man of mere acquirements. His knowledge is wide and thorough, and his method of imparting information is clear and precise. He will, I believe, make an admirable teacher; but while he imparts to all the knowledge they require, he will, I believe, imbue the few with his own original spirit, and will, both by his own investigations and by the work of the men whom he trains,

add greatly to his own reputation and to that of any school with which he may be connected. He will thus attract to it young men of earnest and zealous spirit, and should he be appointed to the Chair which he now seeks, the opportunities which the appointment afford will, I believe, be utilised by him in such a manner as to benefit not only the University of Aberdeen, but a large section of the medical profession.

T. LAUDER BRUNTON.



*From William Turner, M.B., F.R.S., Professor of Anatomy in the University of Edinburgh; President of the Royal College of Surgeons, Edinburgh; Member of the General Medical Council.*

UNIVERSITY OF EDINBURGH,  
June 8, 1883.

DR MATTHEW HAY is well known to me as one of the most able and energetic of the staff of young graduates now attached to this University in the capacity of Demonstrator.

In addition to his wide general knowledge of his profession, which is evidenced by his position as Ettles Prizeman, he has especially cultivated the therapeutical and toxicological action of substances, and his numerous publications prove him to be a man of undoubted scientific ability. So satisfied was I of his talents as an investigator, that I had no hesitation in recommending him as excellently fitted to hold one of the Scholarships for the promotion of Scientific Research established by the Grocers' Company of London.

The attention which he has paid to the action of remedies, both in ordinary and lethal doses, qualifies him in no ordinary degree for treating the toxicological part of the work of a Professor of Medical Jurisprudence, whilst his knowledge generally of his profession will fit him to discharge the other duties associated with a Chair of Legal Medicine.

WM. TURNER.



*From Thomas Stevenson, M.D. Lond., F. and Examiner R.C.P.  
London ; Lecturer on Medical Jurisprudence and on Chemistry  
at Guy's Hospital ; Official Analyst to the Home Office.*

CHEMICAL LABORATORY, GUY'S HOSPITAL,  
LONDON, S.E., June 9, 1883.

ALTHOUGH I have already given a testimonial to one of the candidates for the Chair of Medical Logic and Medical Jurisprudence in the University of Aberdeen, the claims of Dr MATTHEW HAY for the post are so strong, and his qualifications so excellent, that it would be doing him an injustice not to speak in his favour.

Dr HAY is an undoubtedly able and accomplished man, with a talent for original research. His varied and numerous researches in the department of Toxicology are of a very high order, and give excellent promise of future eminence in his profession. There are not many men who could produce such a large amount of excellent work as has been produced in his laboratory and from his pen during the last four years.

Dr HAY, who is personally known to me, is a gentleman well fitted to become an excellent teacher and lecturer. He is also well adapted to direct the researches of others. His expression is clear and lucid, and his ideas are aptly and correctly expressed.

THOS. STEVENSON.

*From J. Cossar Ewart, M.D., F.R.S.E., Regius Professor of Natural History in the University of Edinburgh; formerly Professor of Natural History in the University of Aberdeen.*

UNIVERSITY OF EDINBURGH,  
June 11, 1883.

HAVING a warm interest in the University of Aberdeen, and having learned in a very practical way what is likely to add to the continued success and prosperity of the Aberdeen Medical School, I may be allowed to express an opinion in reference to the appointment of a Professor to the vacant Chair of Medical Jurisprudence.

It is admitted that, owing to the numerous beneficial changes effected during comparatively recent years, Aberdeen now possesses one of the best Medical Schools in Britain. Not only have teaching appliances been improved, but the students have within their reach the opportunity of gaining a thoroughly practical knowledge of their work, and, what is of more importance, of coming in contact with men who, in addition to being good teachers, are widely known as able original investigators.

If it is desired to increase the growing reputation of the Aberdeen Medical School, and to attract a still larger number of students from England and from the Colonies, it is expedient that men should be selected for the Chairs as they fall vacant who, besides having proved themselves able teachers, are known to be abundantly capable of adding to the scientific reputation of the School, and who are prepared to subordinate everything to the interests of the University.

For the present vacancy the Electors have in Dr MATTHEW HAY a candidate who possesses in a remarkable manner all these requirements. His appointment would greatly add to the reputation of the University, and afford no little satisfaction to all interested in Medical Science.

From all I know and hear regarding Dr HAY's special fitness for the Chair, I am strongly of opinion that he is

in every way eminently qualified. He is a gentleman whose general culture, devotion to scientific work, and conscientiousness in the discharge of duty, mark him as peculiarly well adapted for holding an Academic appointment.

Dr HAY'S distinguished career as a student, and his admirable researches on toxicological and other subjects, not only prove that he possesses enormous powers of work, but especially suggest a brilliant future ; and that this promise is likely to be realised, must be evident to all who have had an opportunity of observing his strong passion for scientific research.

In coming to the conclusion that Dr HAY has the strongest claims for the Chair of Medical Jurisprudence in the University of Aberdeen, I have taken not only his Academic and Scientific position into consideration, but also the influence his widely recognised success as a Teacher would have on the general welfare of the University.

J. COSSAR EWART.

*From W. S. Greenfield, M.D. (Lond.), F.R.C.P., Professor of  
General Pathology in the University of Edinburgh. .*

UNIVERSITY OF EDINBURGH,  
*June, 1883.*

I HAVE great pleasure in stating my opinion of the pre-eminent qualifications of Dr MATTHEW HAY for the Chair of Medical Jurisprudence in the University of Aberdeen.

Of the subjects which especially fall within the scope of the teaching of Medical Jurisprudence, there is none more important or more difficult than that of Toxicology, and it has been a matter of common experience of late years, that it is in this branch that special training is more particularly required of those engaged in the study and practice of Forensic Medicine. I know no one, not already occupying a public position in relation to this subject, who is so accomplished in this branch of science as Dr HAY, or who has made more important advances in knowledge relating to it. I say this from my own personal knowledge of Dr HAY'S work.

But Dr HAY has also shown that he possesses other qualifications of equal importance for the occupant of such a Chair. He has a wide knowledge of other branches of medical science, has a great power of acquiring and imparting knowledge, and is one of the most able and popular teachers in this University.

If Dr HAY should be appointed, the University of Aberdeen will certainly acquire a great addition to its teaching power and to its scientific reputation.

W. S. GREENFIELD.



*From W. T. Gairdner, M.D., F.R.C.P.E., Professor of Medicine, and Dean of the Faculty of Medicine, in the University of Glasgow; lately Medical Officer of Health for the City of Glasgow.*

GLASGOW UNIVERSITY, June 9, 1883.

FROM all the information I have received as to Dr MATTHEW HAY, and from my own knowledge of his writings, I should consider him one of the foremost of the band of workers who are clearing the way towards greater exactness in pharmacology and therapeutics, and therefore a very fitting candidate for any Chair to which these and other subjects of his researches are at all cognate.

W. T. GAIRDNER.



*From Joseph Lister, M.B. (Lond.), F.R.C.S., D.C.L., LL.D.,  
F.R.S., Surgeon Extraordinary to the Queen; Professor of  
Clinical Surgery, King's College, London.*

12 PARK CRESCENT, PORTLAND PLACE,  
LONDON, *June* 1883.

DR MATTHEW HAY, after a studentship in the University of Edinburgh, attended with very unusual distinction, has occupied a position in that school which has afforded him ample opportunities for becoming intimately conversant with *Materia Medica* and *Toxicology*, and also for exhibiting his powers of original investigation in these subjects.

Such a course is the best possible preparation for a Chair of Medical Jurisprudence, and I venture to express the hope that the vacancy occasioned by the resignation of Dr Ogston will be filled by one so calculated to promote the efficiency of the University of Aberdeen as Dr HAY has proved himself to be.

JOSEPH LISTER.

*From Alexander R. Simpson, M.D., F.R.S.E., Professor of Midwifery and the Diseases of Women and Children in the University of Edinburgh ; President of the Edinburgh Obstetrical Society, &c.*

52 QUEEN STREET,  
EDINBURGH, *June 7, 1883.*

DR MATTHEW HAY seems to me to possess in a very remarkable degree the qualifications that are to be sought for in a Professor of Medical Jurisprudence.

Endowed with faculties of a high order, he has diligently and conscientiously cultivated these during a lengthened course of study, in which he has been careful to acquaint himself with the entire circle of the medical sciences. In my own class competition he took the foremost place, and in all his other classes he was in the front rank as a medallist and a winner of first class-honours ; and at his graduation neither his teachers nor his fellow-students were surprised that he won the Ettles Prize as *facile princeps* of his year.

On this broad basis he has reared a special knowledge of Pharmacology and Toxicology, and has made a series of contributions to this important department of Medicine and Medical Jurisprudence that are of the highest value, and that will give his name an enduring place among the workers of our time.

He is also familiar with the subjects connected with Sanitation, which it is important to have taught from our Chairs of Medical Jurisprudence.

Dr HAY is not only an original investigator and an able writer ; he is known to be also a lucid lecturer, and has had much experience in the conduct of large classes of students, which he has taught with great success.

I believe altogether that Dr HAY'S appointment to the vacant Chair in Aberdeen would bring a great addition to the strength and renown of the University.

A. R. SIMPSON.

*From Allen Thomson, M.D., LL.D., Vice-President of the Royal Society, London ; Emeritus Professor of Anatomy in the University of Glasgow.*

LONDON, *June 11, 1883.*

I FORMED a high estimate of Dr MATTHEW HAY'S ability at the time when he commenced his medical studies in my classes at Glasgow University nearly ten years ago. I have since that time watched with interest his brilliant and successful career, and I now gladly avail myself of the opportunity presented by his candidature for the Chair of Medical Logic and Jurisprudence in the University of Aberdeen, to express the very high opinion which I entertain of his ability as a writer and teacher, and my confident belief in his special fitness for the vacant Chair.

Dr HAY has devoted himself with singular ardour to the class of studies which prepare him in no ordinary degree for the successful consideration and exposition of the topics which present themselves to the Medical Jurist. He has shown his ingenuity and ability in the experimental investigation of such subjects, and his power to advance the scientific knowledge of their more difficult problems. He has given ample proof of his power to attract students by his teaching ; and I will only add, from what I know of him otherwise, that, in addition to the knowledge and capacity for teaching and investigating the subjects belonging to the Chair, he possesses the other requisites to make him an eligible member of the professorial body in one of our Universities.

ALLEN THOMSON.

*From G. M. Humphry, M.D., F.R.S., Surgeon to Addenbrooke's Hospital; Emeritus Professor of Anatomy in the University of Cambridge; Member of the General Medical Council.*

ANATOMICAL MUSEUM,  
CAMBRIDGE, June 8, 1883.

I WAS much struck with Dr MATTHEW HAY and the communications he made in the Section of Anatomy and Physiology at the Worcester Meeting of the British Medical Association. He evidently pursues his work with that spirit of careful philosophical investigation which leads to good results, and which is one of the best qualifications for a Professorship in a University.

G. M. HUMPHRY.



*From Alexander Dickson, M.D. (Edin. and Dub.), LL.D., F.R.S.E., F.L.S., Professor of Botany in the University of Edinburgh; formerly Professor of Botany in the Universities of Dublin and Glasgow.*

II ROYAL CIRCUS,  
EDINBURGH, June 8, 1883.

I HAVE much pleasure in expressing my opinion of Dr MATTHEW HAY, at present a candidate for the Chair of Medical Jurisprudence in the University of Aberdeen.

Any recommendation from me might seem superfluous in favour of one who, like Dr HAY, has taken the highest honours in his academic career, and graduated with the greatest distinction, besides having devoted himself with brilliant success to studies which have the closest bearing on the subject of the Chair he desires to obtain. As, however, Dr HAY'S medical studies commenced in the University of Glasgow, while I there occupied the Chair of Botany, I may say that he took the highest place in my class, and was one of the best students I have ever had.

With the greatest confidence, I would recommend Dr HAY to the Electors to the vacant Chair. His great gifts, his vigorous intellect, and his admirable personal qualities, all point to him as one who would prove not only an efficient and distinguished Professor, but a most desirable acquisition to the Senate of the University.

ALEXANDER DICKSON.



*From John G. M'Kendrick, M.D., LL.D. (Abdn.), F.R.S.E., Professor of Physiology in the University of Glasgow ; Fullerian Professor of Physiology in the Royal Institution, London.*

UNIVERSITY OF GLASGOW,  
May 31, 1883.

DR MATTHEW HAY has requested me to state my opinion as to his fitness for the Chair of Medical Jurisprudence in the University of Aberdeen, now vacant by the resignation of Professor Ogston. I have known Dr HAY for several years as one of the ablest workers in the difficult department of Experimental Pharmacology. He is thoroughly familiar with the methods of modern investigation into the actions of poisons and of drugs in general. Further, after a very distinguished career as a student, he has occupied, for several years, the office of Assistant to the Professor of Materia Medica in the University of Edinburgh, where he has had opportunities of acquiring the knowledge of the art of teaching large numbers of students. Dr HAY's published Works indicate that he is a man of great ability ; and I can further say, from personal knowledge, that he is imbued with a thoroughly scientific spirit, and is therefore likely to do further excellent scientific work. I believe his appointment to the Chair, on these general grounds, would strengthen the Medical Faculty of the University of Aberdeen, and I cordially wish him success.

JOHN. G. M'KENDRICK.

*From T. Grainger Stewart, M.D., Physician in Ordinary to Her Majesty the Queen, in Scotland; Professor of Practice of Physic in the University of Edinburgh.*

LONDON, *June 15, 1883.*

I HAVE great pleasure in bearing testimony to the eminent fitness of Dr MATTHEW HAY for the Chair of Medical Jurisprudence in the University of Aberdeen. His abilities are of a very high order, and he has throughout his whole professional career been one of the most diligent workers I have known. His work has been for the most part in the departments of Pharmacology and Chemistry, and has not only covered to a considerable extent the field of Medical Jurisprudence, but has developed and manifested a peculiar fitness for the kind of research proper to that department.

Dr HAY is moreover an excellent teacher, and his character combines so admirably modesty and kindly consideration with manly independence, that he is sure to win the confidence and regard of those who may be associated with him, whether as colleagues or students.

T. GRAINGER STEWART.

*From Thomas Bond, F.R.C.S., Lecturer on Forensic Medicine and Hygiene, and Assistant-Physician to Westminster Hospital, London.*

7 THE SANCTUARY,  
WESTMINSTER ABBEY.

*June 22, 1883.*

I HAVE much pleasure in stating that Dr MATTHEW HAY is known to me as a physician of unusually good acquirements. I am acquainted with his works, and consider him an original and accurate observer. I believe that, if appointed to the Chair of Medical Jurisprudence in the University of Aberdeen, he will perform the duties with great skill and energy.

Dr HAY has, in my opinion, all the qualities most required in a Medical Jurist, and I believe that the University of Aberdeen would be very fortunate in securing his services.

THOMAS BOND.

*From Sydney Ringer, M.D., F.R.C.P., Professor of Medicine in University College, London; Physician to University College Hospital; Author of numerous Contributions to Toxicology and Pharmacology.*

15 CAVENDISH PLACE,  
CAVENDISH SQUARE, W., May 1883.

I AM well acquainted with Dr MATTHEW HAY'S work. I have read his papers with great profit and interest. They are highly original and suggestive, and display an unusual aptitude for original research.

But his work is not only highly original, it is also marked by extreme care and accuracy. Many of his papers must have cost great labour.

Those who have closely followed Dr HAY'S work are confident that he must attain a very high scientific position, and are convinced that much practical good will result from his labours.

I can strongly recommend him for the Chair of Medical Jurisprudence for which he now applies.

SYDNEY RINGER.

*From John Cleland, M.D., F.R.S., Professor of Anatomy in the University of Glasgow.*

THE COLLEGE,  
GLASGOW, June 6, 1883.

I AM glad to hear that Dr MATTHEW HAY is presenting himself as a candidate for the Chair of Medical Logic and Medical Jurisprudence in the University of Aberdeen. The first of these subjects requires pre-eminently a man of judgment, while the other is one the importance of which is enhanced by the attention now paid to State Medicine, and on that account demands for the teaching of it a man, young, active, and acute. Such are the qualities exactly which Dr HAY possesses; and his memoirs and his training afford evidence that this is true.

The large amount of work which he has done in the elucidation of medicines and poisons, and their actions, stamps him as an original investigator possessed of the qualities which ensure success, and gives him a strong claim for such a Chair as that which he now seeks.

If elected, I do not doubt that Dr HAY will give every satisfaction as a teacher, and advance the interests of the important University of Aberdeen.

JOHN CLELAND.



*From John Chiene, M.D., F.R.C.S.E., F.R.S.E., Professor of  
Surgery in the University of Edinburgh.*

21 AINSLIE PLACE,  
EDINBURGH, *June 11, 1883.*

HAVING known Dr MATTHEW HAY intimately for some years, I am of opinion that he has the rare faculty of originating, and carrying out methodically and to a conclusion, original work.

His appointment to the Research Scholarship, endowed by the Grocers' Company of London, is to my mind very strong evidence of the impress he has already made on the scientific men of this country.

If Dr HAY leaves Edinburgh to go to Aberdeen, he will in the future advance the science of Forensic Medicine by his influence in the laboratory.

Earnest and vigorous, a clear demonstrator, able to encourage others, willing to work himself, Dr HAY possesses the qualities requisite in a successful teacher.

JOHN CHIENE.

*From John Ferguson, M.A., Professor of Chemistry in the  
University of Glasgow.*

UNIVERSITY OF GLASGOW,  
June 12, 1883.

IT is with no small degree of satisfaction that I render what help is in my power to Dr HAY in his candidature for the Chair of Medical Logic and Medical Jurisprudence in the University of Aberdeen. Some years ago, when he began his medical studies here, I was particularly impressed with the ease and rapidity with which he acquired a knowledge of Chemistry ; I thought him one of the ablest students I had ever had, and I felt confident that he would ultimately distinguish himself. This he has done. After an unusually brilliant career as a Student of Medicine at Edinburgh, in which he has carried off all the honours that could be got, he has devoted himself to teaching and investigation, and that in a department of Chemistry and Physiology to which very few in this country pay much attention. He has already published researches of value, and all that he now requires is a suitable position where his attainments and gifts can be turned to the best account. He is full of an enthusiasm for his subject, which would have a most excellent effect on his pupils, in inciting them to study and to investigate. It would be most gratifying to know that the services of Dr HAY had been secured for Aberdeen University, as his appointment would add to the already great reputation of its Medical School.

JOHN FERGUSON.

*From Frederick T. Roberts, M.D., B.Sc., F.R.C.P., Professor of Materia Medica and Clinical Medicine in University College, London; Physician to the University Hospital, and to the Brompton Consumption Hospital.*

53 HARLEY STREET,  
CAVENDISH SQUARE, W., May 28, 1883.

THE past career of Dr MATTHEW HAY has been so distinguished, and he has accomplished such excellent scientific and practical work, that no further testimony can be needed as to his eminent fitness for the Chair of Medical Jurisprudence in the University of Aberdeen.

From my acquaintance with Dr Hay's writings, and from my knowledge of him personally, I have, however, the greatest pleasure in supplementing this testimony by my most cordial commendation, feeling sure that it would be difficult to find any one in all respects so well qualified for such an important position. He has already enjoyed considerable experience in teaching, and I have every reason to know that, both as a Teacher and a Colleague, he is greatly appreciated and esteemed.

I heartily wish Dr HAY success in his present candidature, not only for his own sake, but also for the sake of the University of Aberdeen.

FRED. T. ROBERTS.

*From Thomas Annandale, M.D., F.R.C.S.E., Professor of  
Clinical Surgery in the University of Edinburgh.*

34 CHARLOTTE SQUARE,  
EDINBURGH, *June 7, 1883.*

DR MATTHEW HAY, after a most distinguished student's career, graduated in this University with the highest honours. Since that time Dr HAY has devoted himself to scientific research and to teaching, and he has proved himself to be a thoroughly original worker and a most successful teacher of medical practice and science. Having these qualifications, and having had experience in teaching large classes of students, Dr HAY is, in my opinion, specially fitted for the duties of a University Chair connected with the departments of Medical Science to which he has so successfully devoted his attention.

THOMAS ANNANDALE.



*From J. O. Affleck, M.D., F.R.C.P., Lecturer on Practice of Physic, Medical School, Surgeons' Hall, Edinburgh; formerly (for ten years) Assistant to the Professor of Medical Jurisprudence in the University of Edinburgh.*

12 CLAREMONT PLACE,  
EDINBURGH, June 8, 1883.

I HAVE much pleasure in bearing testimony to the eminent fitness of Dr MATTHEW HAY for the Chair of Medical Logic and Medical Jurisprudence now vacant in the University of Aberdeen.

During his curriculum at the University of Edinburgh, Dr HAY attracted attention by his ability and industry as a student, and by his brilliant career throughout, which culminated in his obtaining the highest graduation honours.

Dr HAY early directed his special attention to the scientific departments of medicine, and his appointment as Assistant to the Professor of Materia Medica in the University of Edinburgh furnished him with rare opportunities for carrying on researches in Pharmacology and Toxicology, of which he made ample use, and which were enhanced by an extended technical training in several continental laboratories. As a result Dr HAY has, within a comparatively short time, produced an amount of work which has earned for him a high scientific reputation. His elaborate series of researches on the Action of Saline Cathartics are an important contribution to practical therapeutics, and, like his many other writings, testify to his high capacity as an original investigator, and to his mastery of scientific methods.

Dr HAY'S work has received extensive recognition in the many honours which have been awarded him, of which the most recent, and not the least substantial, is the valuable Scholarship of the Grocers' Company of London, conferred especially for original scientific research.

Dr HAY'S training and pursuits have been of a kind closely



allied to the department of Medical Jurisprudence, and as knowing something of the nature of the work of this branch of medicine, I feel confident that, alike from his eminent scientific qualifications, his experience in teaching, and his high character, he would fill the important Chair for which he is a candidate with great credit and success.

J O. AFFLECK

*From H. C. Wood, M.D., Professor of Pharmacology and Clinical Medicine; formerly Professor of Botany, in the University of Pennsylvania, Philadelphia, United States; Corresponding Member of the New York Medico-Legal Society.*

1925 CHESTNUT STREET,  
PHILADELPHIA, June 15, 1883.

IT gives me great pleasure to state that I am well acquainted with the scientific work of Dr MATTHEW HAY, and that I consider it to be of the highest order. In Dr HAY scientific acuteness and imagination are united with excellent reasoning power.

I have therefore no hesitation in saying that if Dr HAY be elected to the Chair of Medical Logic and Medical Jurisprudence in Aberdeen, he will occupy it with distinction, and will be one of the brightest ornaments of the University.

H. C. WOOD.

*From Dr O. Schmiedeberg, Professor of Pharmacology and Forensic Toxicology; and Dean of the Medical Faculty in the University of Strassburg.*

STRASSBURG, d. 31 Mai, 1883.

LIEBER HERR DOCTOR HAY,—Es freut mich, Ihnen zum Zweck Ihrer Bewerbung um den Lehrstuhl der gerichtlichen Medicin an der Universität zu Aberdeen hierdurch bezeugen zu können, dass Sie sich in meinem Laboratorium in intensiver Weise mit der Bearbeitung solcher Fragen beschäftigt haben, die nicht nur für die Pharmakologie im Allgemeinen, sondern auch für die Toxikologie im Besonderen von Interesse und Wichtigkeit sind. Dahin gehören, vor allen Dingen die bisher von Ihnen noch nicht publicirten Untersuchungen über die wirksamen Bestandtheile der Cannabis indica und über das Verhalten und die Wirkungen der Iodide und Bromide der Alkalimetalle und insbesondere über das Lithium. Alle diese Arbeiten, und vorzüglich die letzteren, auf die ich ein grosses Gewicht lege, werden nach ihrer Veröffentlichung den Beweis liefern, dass Sie nicht nur die Grundsätze der wissenschaftlichen pharmakologischen Forschung sich völlig zu eigen gemacht haben, sondern auch die Methoden im Einzelnen nach den verschiedensten Richtungen in Anwendung zu bringen verstehen und werthvolle pharmakologische und toxikologische Thatsachen zu Tage zu fördern im Stande sind. Ich habe die Ueberzeugung, dass Sie Ihr Können und Wissen in dieser Richtung in fruchtbringender Weise auch für die gerichtliche Medicin verwerthen werden und wünsche Ihnen bei der Bewerbung den besten Erfolg.—Ihr ergebenster,

O. SCHMIEDBERG.

## TRANSLATION.

DEAR DR HAY,—I rejoice that I can hereby certify, in connection with your candidature for the Chair of Medical Jurisprudence in the University of Aberdeen, that you have occupied yourself in my laboratory in a most earnest manner with the investigation of questions which are of interest and importance, not only for Pharmacology in general, but also for Toxicology in particular. To these belong, before all things, your as yet unpublished investigations on the Active Constituents of Cannabis Indica, and on the Behaviour and Action of the Alkaline Iodides and Bromides, and on the Action of Lithium. All these investigations, and particularly the latter, on which I place great weight, will, when published, prove that you have not only completely mastered the principles of Scientific Pharmacological Research, but that you also understand how to make application of the methods in detail, and in the most different directions, and that you have the capacity to make valuable discoveries in Pharmacology and Toxicology. I am convinced that in the department of Medical Jurisprudence (proper) you will be able to turn to account in an effectual manner your capacity and knowledge in the direction indicated, and I wish you the best success in your candidature.—Yours most devotedly,

O. SCHMIEDEBERG.



*From A. Vulpian, Member of the Institute of France; Professor of Experimental Pathology, and Dean of the Faculty of Medicine of Paris; Author of several Contributions to Toxicology.*

PARIS, 18 *Juni* 1883.

TRES-HONORÉ CONFRÈRE, — Vos différentes recherches de thérapeutique et toxicologie et vos études sur l'action physiologique des purgatifs salins me paraissent témoigner d'une véritable originalité, d'une heureuse pénétration d'esprit et, en même temps, d'une louable prudence. Je crois que la valeur de vos travaux sera la plus puissante des recommandations sur les quelles pourra s'appuyer votre candidature à la Chaire de Jurisprudence médicale à l'Université d'Aberdeen.

Veillez, agréer, Monsieur et tres-honoré Confrère, l'assurance de ma haute estime.

A. VULPIAN.

#### TRANSLATION.

MUCH HONOURED COLLEAGUE,—Your various researches in Therapeutics and Toxicology, and your studies on the Physiological Action of Saline Cathartics, appear to me to bear witness of a genuine originality, and of a happy penetration of mind, and, at the same time, of a praiseworthy discretion. I believe that the value of your works will be the most powerful of recommendations on which to base your claims to the Chair of Medical Jurisprudence in the University of Aberdeen.

Pray accept the assurance of my high esteem.

A. VULPIAN.



*From Oscar Liebreich, Professor of Pharmacology and Toxicology  
in the University of Berlin.*

UNIVERSITÄT BERLIN, 13 Juni 1883.

ICH bescheinige mit ausserordentlichem Vergnügen Herrn MATTHEW HAY, M.D., dass derselbe eine grosse Reihe ausserordentlicher wissenschaftlicher Arbeiten geliefert hat. Diese Arbeiten zeigen eine grosse naturwissenschaftliche Sachkenntniss, wodurch er im Stande ist seine wissenschaftlichen Ideen auszuführen.

Ich glaube daher, nach bestem Gewissen, es aussprechen zu können, dass derselbe zu einer Professur für gerichtliche Medicin und Toxikologie eine sehr hervorragende Fähigkeit besitze.

OSCAR LIEBREICH.

#### TRANSLATION.

I CERTIFY with extreme pleasure that Dr MATTHEW HAY has produced a large series of remarkably scientific works. These works display a wide and intimate knowledge of natural science, whereby he is capable of working out his scientific ideas.

I therefore believe, and most conscientiously state, that Dr HAY possesses a pre-eminent capacity for a Professorship of Medical Jurisprudence and Toxicology.

OSCAR LIEBREICH.

*From Dr M. F. Rossbach, Professor of Medicine and Director of the Medical Clinic in the University of Jena; lately Professor of Pharmacology and Toxicology in the University of Würzburg.*

JENA, 7 Juni 1883.

DER unterzeichnete hat die Arbeiten des Herrn MATTHEW HAY, M.D. von jeher mit dem grössten Interesse verfolgt. In allen seinen mir zu Gesicht gekommenen wissenschaftlichen Arbeiten—und es ist deren eine grosse Zahl—zeigt sich in schönster Weise das Bestreben verwirklicht, die vorgenommene Frage nach allen Seiten zu beleuchten und gründlich, nicht einseitig, zu lösen. Es dokumentirt sich in denselben eiserner Fleiss, die grösste Umsicht und Klarkeit des Denkens, ferner eine gute Schulung und Beherrschung aller neueren physiologischen und medicinischen Untersuchungsmethoden.

Ich nehme desshalb keinen Anstand Herrn MATTHEW HAY zu den besten jüngeren Forschern Englands zu zählen.

M. F. ROSSBACH.

#### TRANSLATION.

THE undersigned has always followed the works of Dr MATTHEW HAY with the greatest interest. In all his scientific works which have come under my notice—and their number is large—the achievement of the object is exhibited in the most perfect manner, and the problems investigated have light thrown upon them from all sides, and are thoroughly, not partially, solved. His works give evidence of indefatigable industry, and the greatest circumspection and clearness of thought, as also a sound training in and mastery of all the modern methods of Physiological and Medical investigation.

I do not, therefore, hesitate to reckon Dr MATTHEW HAY amongst the best of the younger investigators of England.

M. F. ROSSBACH.

*From Dr Carl Binz, Professor of Pharmacology and Toxicology  
in the University of Bonn.*

BONN, June 2, 1883.

DOCTOR MATTHEW HAY in Edinburgh bewirbt sich um den Lehrstuhl für "Medical Jurisprudence" in Aberdeen.

Als einen Toxicologen, halte ich ihn unter seinen Altersgenossen in Grossbritannien für einem der befähigsten, fleissigsten, und productivsten.

C. BINZ.

#### TRANSLATION.

DR MATTHEW HAY is an applicant for the Chair of Medical Jurisprudence in Aberdeen.

As a Toxicologist, I regard him as one of the most capable, most diligent, and most productive amongst his contemporaries in Great Britain.

C. BINZ.

*From Dr Erich Harnack, Professor of Pharmacology and Toxicology in the University of Halle.*

HALLE A. S., Mai 27, 1883.

HERR DR MED. MATTHEW HAY hat während des Winter's 1879-80 im pharmakologischen Institute zu Strassburg, dessen Assistent ich während der Zeit gewesen, selbständige Untersuchungen auf den Gebieten der Toxikologie und experimentellen Pharmakologie ausgeführt, welche zu werthvollen und neuen wissenschaftlichen Resultaten geführt haben.

Herr Dr M. HAY hat sich dabei zugleich mit den wissenschaftlichen Untersuchungsmethoden auf den einschlägigen Disciplinen (den chemischen, physiologischen Methoden, u.s.w.) allseitig bekannt gemacht, und wird bei seiner allgemein- und speciell- medicinischen Ausbildung einen Lehrstuhl der Toxikologie und gerichtlichen Medicin ohne Frage mit bestem Erfolge auszufüllen im Stande sein..

Dieser meiner Ueberzeugung gebe ich durch meine Unterschrift Ausdruck.

ERICH HARNACK.

#### TRANSLATION.

DURING the winter of 1879-80, at which time I was Assistant in the Pharmacological Institute at Strassburg, Dr MATTHEW HAY conducted independent investigations in the fields of Toxicology and Experimental Pharmacology, which have led to valuable and new scientific results.

Dr M. HAY, at the same time, made himself acquainted from every side with the scientific methods of investigation involved in his researches (chemical, physiological, and other methods), and, on account of his general and special medical education, is without question capable of occupying with the highest success a Chair of Medical Jurisprudence and Toxicology.

I give expression to this conviction by my signature.

ERICH HARNACK.



*From Dr Hans Meyer, Professor of Pharmacology and Toxicology in the University of Dorpat, Russia.*

DORPAT, 2 Juni 1883.

LIEBER COLLEGE,—Es hat mich herzlich erfreut von Ihnen zu erfahren, dass Sie Aussicht haben eine Ihren eminent wissenschaftlichen Talenten und ebenso umfassenden wie gründlichen Kenntnissen entsprechende Thätigkeit beginnen zu können. Nicht weil ich glaube, dass Ihnen meine Empfehlung von Nutzen sein könne, da Ihr Werth und Ihre Tüchtigkeit von allen Männern der Wissenschaft ohne weiteres anerkannt werden muss, sondern nur in dem Wunsche Ihnen meine grosse Hochachtung auszusprechen, wiederhole ich es, dass Sie mir in hervorragender Weise geeignet scheinen, als wissenschaftlicher Lehrer und fruchtbarer Forscher zu wirken, und dass es mich mitvieler Freude erfüllen würde, wenn Sie durch eine sorgenfreie Stellung die Gelegenheit fänden, Ihre ausgezeichneten pharmako-toxikologischen Studien, die ich mit grossem Interesse verfolgt habe, in ganzer Ausdehnung fortzusetzen.

Mit collegialischem Grusse, Ihr ergebener,

HANS MEYER.

#### TRANSLATION.

DEAR COLLEAGUE,—I greatly rejoiced to hear from you that you have the prospect of being able to begin a life of activity corresponding to your eminent scientific talents, and to your comprehensive as well as thorough knowledge. Not because I believe that my recommendation can be of use to you, as your worth and your ability must be fully recognised by all men of science, but only with the desire of expressing my great esteem for you, do I affirm that you appear to me to be eminently qualified to act as a scientific teacher and as a successful investigator, and that it would give me the greatest

pleasure if, by means of an independent position, you were granted the opportunity of carrying out to the full extent your distinguished pharmaco-toxicological studies, which I have followed with great interest.

With a Colleague's greeting, yours devotedly,

HANS MEYER.

*From Present and Past Assistants in the University of Edinburgh,  
and Junior Extra-Mural Lecturers.*

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TO MATTHEW HAY, Esq., M.D.,  
Assistant to the Professor of Materia Medica in the University  
of Edinburgh.

DEAR DR HAY,—Having heard that you have become a candidate for the Chair of Medical Logic and Medical Jurisprudence in the University of Aberdeen, we gladly avail ourselves of this opportunity of expressing our admiration of your work and ability, and of testifying to our belief in your fitness for such a post.

Our acquaintance with you, which dates from student days in the case of most of us, has been chiefly formed while acting as co-assistants with you in the University, or as fellow-workers in our Scientific Societies. When you came from Glasgow to finish your studies in the University of Edinburgh, you were soon marked out as one of the first men of your year. Not only did a large number of Class Medals and Honours fall to your share, but your work was so thorough and good, your knowledge was known to be so accurate and comprehensive, that when, at the end of your course, you were declared the Ettles Scholar of your year, it was only a result which had been clearly anticipated by your fellow-students.

Since your graduation we have been much impressed by the way in which your opportunities as Assistant to Professor Fraser have been utilised. A strong clear intellect has been working with unceasing energy for several years at the subjects of Therapeutical and Toxicological Actions, and at Physiological Chemistry, with the result of having discovered many new and valuable truths in these subjects, and of having opened up many valuable lines of investigation.

What we most admire, in addition to your hearty love of the work, is the exceptional soundness of your reasoning  
d

powers, the clear and rapid perception of where the point at issue lies, the unflinching rejection of all insufficient explanations, the great accuracy of your methods of research, and the extreme care with which they are carried out.

We cannot but feel that, in the minute and comprehensive knowledge of your subject, in the familiarity with Chemical Processes involved in Toxicological and Medico-Legal investigations, and in the powers of original research, you have already established for yourself, among the younger men, a position which is second to none in this country.

To these powers of practical work you have added a knowledge of the literature of the subject, and of Medicine generally, which is both comprehensive and thorough. Further, by attention to Dispensary Practice, you have maintained the high standard of general medical knowledge which you possessed at graduation.

Judging of the great importance of the science of Toxicology, and of a wide and sound knowledge of General Medicine, in a Chair of Medical Jurisprudence, we beg leave to add our testimony in favour of one who has already accomplished so much, and whose promise is so high.—With very kind regards, and best wishes for your success, we remain, faithfully yours.

#### PRESENT ASSISTANTS.

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**John Wilson**, B.L. (Forensic Prizeman); formerly Assistant to the Professor of Scots Law.



*From Medical Graduates of the University of Edinburgh.  
(Fellow Students and Pupils of Dr Hay).*

EDINBURGH, May 31, 1883.

DEAR DR HAY,—Having heard that you are a candidate for the Chair of Medical Jurisprudence in Aberdeen University, we, as your fellow-students and your pupils who have since graduated, desire to convey to you our hearty wishes for your success, and to express the high esteem in which we hold you, as a teacher and as a gentleman.

When the Medical Faculty of Edinburgh University awarded you the Ettles Prize as the most distinguished student of your year, we all cordially endorsed their judgment; and the success of your subsequent investigations in Chemistry, Toxicology, and Therapeutics has abundantly shown the wisdom of their choice.

As a Teacher you gained the affection and respect of your students, not more by your ability than by your unvarying kindness and courtesy; and such of us as came more closely into contact with you can never forget the valuable and ready assistance which we have always received at your hands.—We are, yours faithfully,

JAMES P. AITCHISON, M.B., Blackburn, Lancashire.

ROBERT S. AITCHISON, M.B., Edinburgh.

DAVID WILLIAM AITKEN, M.B., Edinburgh.

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 JOHN TAYLOR, M.D., Edinburgh.  
 SIDNEY J. TAYLOR, M.B., M.R.C.S., Grantham.  
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- 190 JAS. A. B. THOMPSON, M.D., Taunton.  
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- 195 DAVID TREHARNE, M.B., Ingleton.  
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 GEO. G. WHITWELL, M.B., Shrewsbury.  
 J. HUMPHREY WILLIAMS, M.B., Wigan.  
 W. LLOYD WILLIAMS, M.B., Mount Pleasant.
- 210 R. F. WILLIAMSON, M.B., Penrith.  
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 HAMILTON WYLIE, M.B., Edinburgh.  
 W. YOUNAN, M.B., Edinburgh.  
 WILLIAM YOUNG, M.B., Paris.

Letter *accompanying* Testimonial *from* Senior Students *of the*  
University of Edinburgh.

UNIVERSITY OF EDINBURGH,

*June 15, 1883.*

DEAR DR HAY,—We have much pleasure in presenting you with the accompanying Testimonial, which, so far as we know, is the most numerously signed Testimonial ever given by the Senior Students of Medicine in the University.—We are, yours sincerely,

WILLIAM HUNTER,

W. E. HOME, B.Sc.,

GERRIT NIEUWOUDT, B.A., J. C. MACKENIIE,

A. C. YOUNAN,

J. BIGGAM, M.A.,

T. A. FULTON,

J. LOVELL GULLAND, M.A., B.Sc.,

J. STIRLING ROBERTSON, M.A.,

*Committee of Senior Students.*

*From Third, Fourth, and Fifth Years' Medical Students in the  
University of Edinburgh.*

DEAR DR HAY,—We, the undersigned Senior Students of Medicine in Edinburgh University, beg to offer you our heartiest wishes for your success in your candidature for the Chair of Medical Jurisprudence in Aberdeen University.

We gladly seize this opportunity to express to you our high admiration of your abilities, and especially of your power as a Teacher, which, alike in fluency and clearness, we consider to be of the highest order.

Those of us who have worked in the Laboratory under your charge would also desire to express our warm appreciation of your unvarying kindness and courtesy, and your ever-readiness to assist us in our work.

Your intimate knowledge of the nature and actions of Drugs and Poisons, your thorough acquaintance with and constant practice in all the methods of Research in Chemical and Medical Science, pre-eminently qualify you, in our opinion, for the occupancy of the Chair for which you are an applicant.—We are, yours sincerely,

WILLIAM HUNTER  
JAMES HUNTER  
ALEXANDER WATSON  
JOHN STEVENS, M.A.  
PETER YATES  
J. S. HALDANE, M.A.  
J. HEATH  
A. SCOTT MYRTLE  
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JOS. G. COSSINS  
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WILLIAM GEORGE SYM  
JOHN DAVIES  
JAMES CRAIG  
MOWBRAY TAYLOR  
JOHN W. BALLANTYNE

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|    | H. S. BELCOMBE          | G. P. TAYLOR         |
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|    | JOHN T. JOHNSON         | 110 P. V. MOLL, jun. |
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|    | D. MACNISH              | J. N. STARK          |
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|    | A. R. ALDRIDGE          | W. H. BARRETT        |
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|    | J. C. VAUGHAN           | 130 A. G. PRICE      |
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|    | WILLIAM CAMPBELL        | WM. R. CARTER        |
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|     | J. WILLIAMSON         | P. W. DYMOND           |
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| 430 | D. MENZIES, M.A.      | E. CARMICHAEL          |
|     | DAVID J. GALLOWAY     | ALEX. FRASER           |
|     | F. A. MACIVER         | S. S. M'FARLANE        |
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|     | T. MONIES             | JOHN C. TAYLOR         |
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|     | ROBERT M. BROWN       | A. SCHORN              |
|     | J. C. M'CLEW          | T. J. THYNE            |
|     | WM. CUMMING           | 490 ARCHIBALD CAMPBELL |
| 440 | PAUL BOWES            | DAVID BLACK            |
|     | G. L. BONNAR          | CLARENCE WATERS        |
|     | ALEX. G. FRASER, M.A. | G. M. ROBERTSON        |
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|     | JAMES A. FLEMING      | THOS. H. ROBINSON      |
|     | JAMES STUART          | 500 D. J. MASON        |
| 450 | JOSEPH YOUNG          | CHAS. J. MACALISTER    |
|     | W. H. DAVIES          | NORMAN M'KIE           |
|     | D. MORGAN             | FRED. C. ROBERTS       |
|     | WM. DAVIES            | DUNCAN DRUMMOND        |
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|     | G. S. P. LOUBSER      | M.R.C.S.L.             |
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|     | DAVID M. LINDSAY      | C. TERREY              |
|     | G. T. BROATCH         | C. R. HAILES           |
|     | JOHN TOMLINSON        | JOHN NOBLE             |
| 460 | R. F. C. LEITH, M.A.  | 510 T. M. WATSON       |
|     | C. W. HOWATSON        | W. R. M'KINNEL         |
|     | ADAM RAMAGE           | A. W. M. LEICESTER     |
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|     | E. A. CHILL           | HUGH JOHN              |
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|     | WILLIAM LAING         | THOS. MURRAY ROBERT-   |
|     | JOHN GARVIE           | SON                    |
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|     | DAVID LAING           | M.A.                   |
| 470 | J. BEGBIE LAING       | ALEXR. MENZIES         |
|     | GEORGE SMITH          | HUGH HAMPDEN PRIDIE    |
|     | WM. G. EVANS          | 520 CHARLES BROWN      |
|     | D. GORDON EVANS       | WM. M'CULLOCH          |
|     | CHARLES STEIN         | JAS. CUNNINGHAM        |



## ADDITIONAL TESTIMONIAL.

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*From Thomas Keith, M.D., F.R.C.S.E.; lately Examiner in  
Clinical Surgery, University of Edinburgh.*

2 NORTH CHARLOTTE STREET,  
EDINBURGH, *July 5, 1883.*

DR HAY has asked me to express my opinion as to his fitness for the Chair of Medical Jurisprudence in the University of Aberdeen. It is to me always a difficult matter to comply with such requests, but of DR HAY I can speak with certainty and without hesitation.

I cannot think that the University Court could at this moment lay their hands on one more thoroughly fitted for the work. DR HAY possesses in a very high degree all the qualifications that are necessary for a Professor of Medical Jurisprudence. Chief amongst these are the rare, but essential, qualities that are necessary for the carrying on of original scientific investigation. DR HAY has already done much original work in subjects embraced in and allied to Medical Jurisprudence, certainly far more than any one of his time. In addition, he has youth, health, and enthusiasm on his side.

The Aberdeen School of Medicine stands higher at the present time than it has ever done. I feel sure, if it be the pleasure of the University Court to add to its distinguished Professors the name of MATTHEW HAY, their University will in a short time have a still higher name in the world.

THOMAS KEITH.





